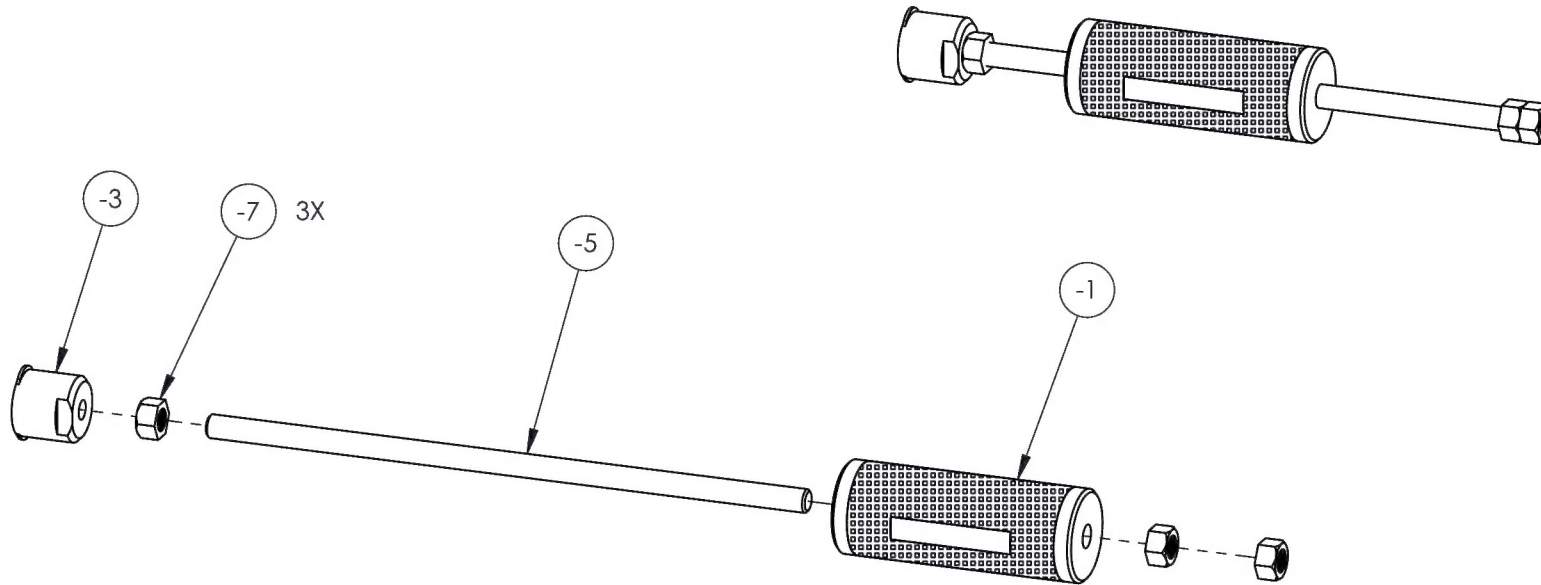


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0074	UPDATED TO NEW STANDARDS. -1, -3 ADDED FINISH SPEC. -1 CH'D MAT'L WAS 1018 IS 1018/1020 CR. -3 CH'D DIM WAS 1.195 IS 1.194, WAS 1.00 IS 0.98; CH'D MAT'L WAS 4140 Q&T IS 4140/4142; ADDED HEAT TREAT. ADDED CUSTOMER DWG.	3/27/2017	SM	JAG



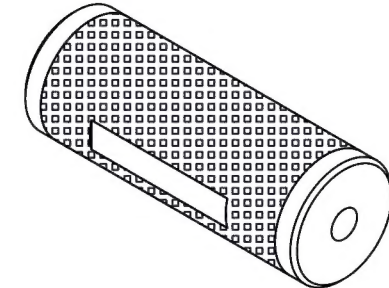
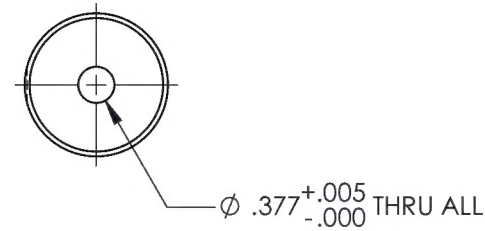
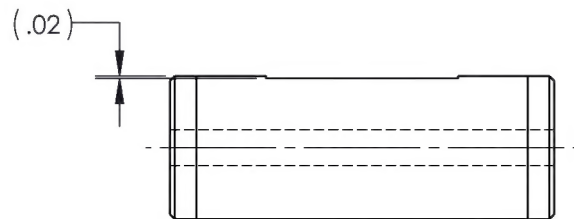
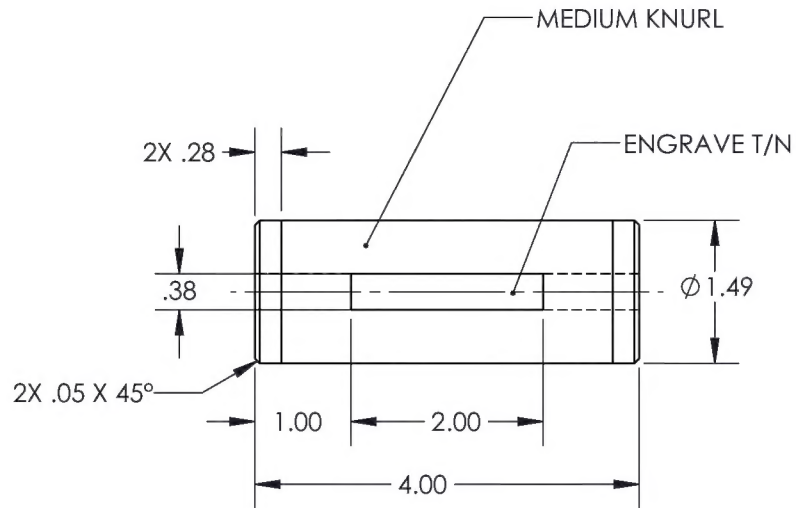
NOTE:
REF. PRATT & WHITNEY T/N: PWC30046-52AA.

DART AEROSPACE	
TITLE PULLER	
DWG NO. RB PWC30046-52AA	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT Q&T	.XXX ± .005 FRACTIONS ± 1/8
FINISH 125	.XX ± .01 ANGLES ± .5°
SPEC	.X ± .1 SURFACES = 125
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: RJC 03/27/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 04/05/2017	USED ON MODEL
APPROVED: JAG 04/11/2017	
SCALE 1:3	DATE 6/8/2012
SHEET 1 OF 4	

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SLIDE	1018/1020 CR		2
			-3	1	CAP	4140/4142		3
		B/O	-5	1	SPACING STUD	STEEL	Ø3/8-16 X 8 (MCMASTER-CARR #90281A651)	1
		B/O	-7	3	NUT	STEEL	3/8-16 (MCMASTER-CARR #95479A118)	1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0074	-1 CH'D MAT'L WAS 1018 IS 1018/1020 CR.	3/27/2017	SM	JAG



(-1)

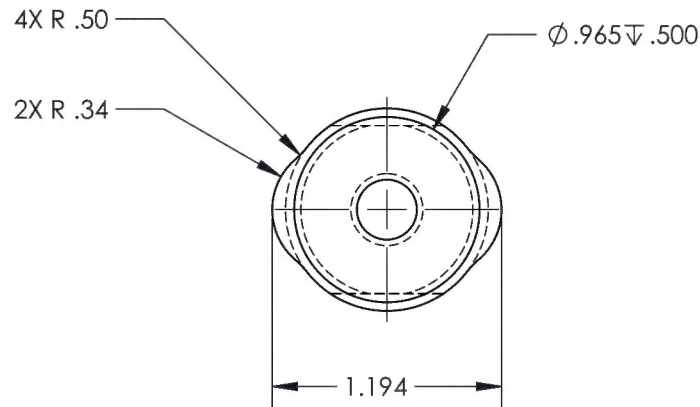
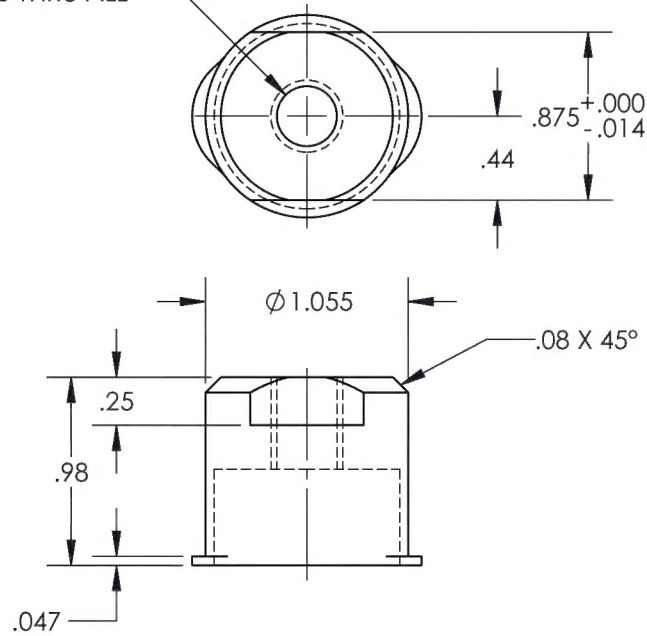
SLIDE

DART AEROSPACE																				
TITLE PULLER																				
DWG NO. RB PWC30046-52AA-1	REV 2																			
<table border="1"> <tr> <td>MAT'L 1018/1020 CR</td> <td rowspan="4"> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 </td> </tr> <tr> <td>HEAT TREAT</td> </tr> <tr> <td>FINISH BLACK OXIDE</td> </tr> <tr> <td>SPEC QMSI-6.2.2, B.O. REV D</td> </tr> <tr> <td>DRAWN BY: GILBERT</td> <td></td> </tr> <tr> <td>CHECKED: RJC 03/27/2017</td> <td></td> </tr> <tr> <td>OPPS APPR: AA 03/28/2017</td> <td></td> </tr> <tr> <td>QA APPR: JL 04/05/2017</td> <td></td> </tr> <tr> <td>APPROVED: JAG 04/11/2017</td> <td></td> </tr> <tr> <td>SCALE 1:2</td> <td>DATE 5/29/2012</td> </tr> <tr> <td colspan="2" style="text-align: right;">SHEET 2 OF 4</td> </tr> </table>		MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	HEAT TREAT	FINISH BLACK OXIDE	SPEC QMSI-6.2.2, B.O. REV D	DRAWN BY: GILBERT		CHECKED: RJC 03/27/2017		OPPS APPR: AA 03/28/2017		QA APPR: JL 04/05/2017		APPROVED: JAG 04/11/2017		SCALE 1:2	DATE 5/29/2012	SHEET 2 OF 4	
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																			
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DRAWN BY: GILBERT																				
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OPPS APPR: AA 03/28/2017																				
QA APPR: JL 04/05/2017																				
APPROVED: JAG 04/11/2017																				
SCALE 1:2	DATE 5/29/2012																			
SHEET 2 OF 4																				

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0074	-3 CH'D DIM WAS 1.195 IS 1.194, WAS 1.00 IS 0.98; CH'D MAT'L WAS 4140 Q&T IS 4140/4142; ADDED HEAT TREAT.	3/27/2017	SM	JAG

3/8-16 UNC - 2B THRU ALL

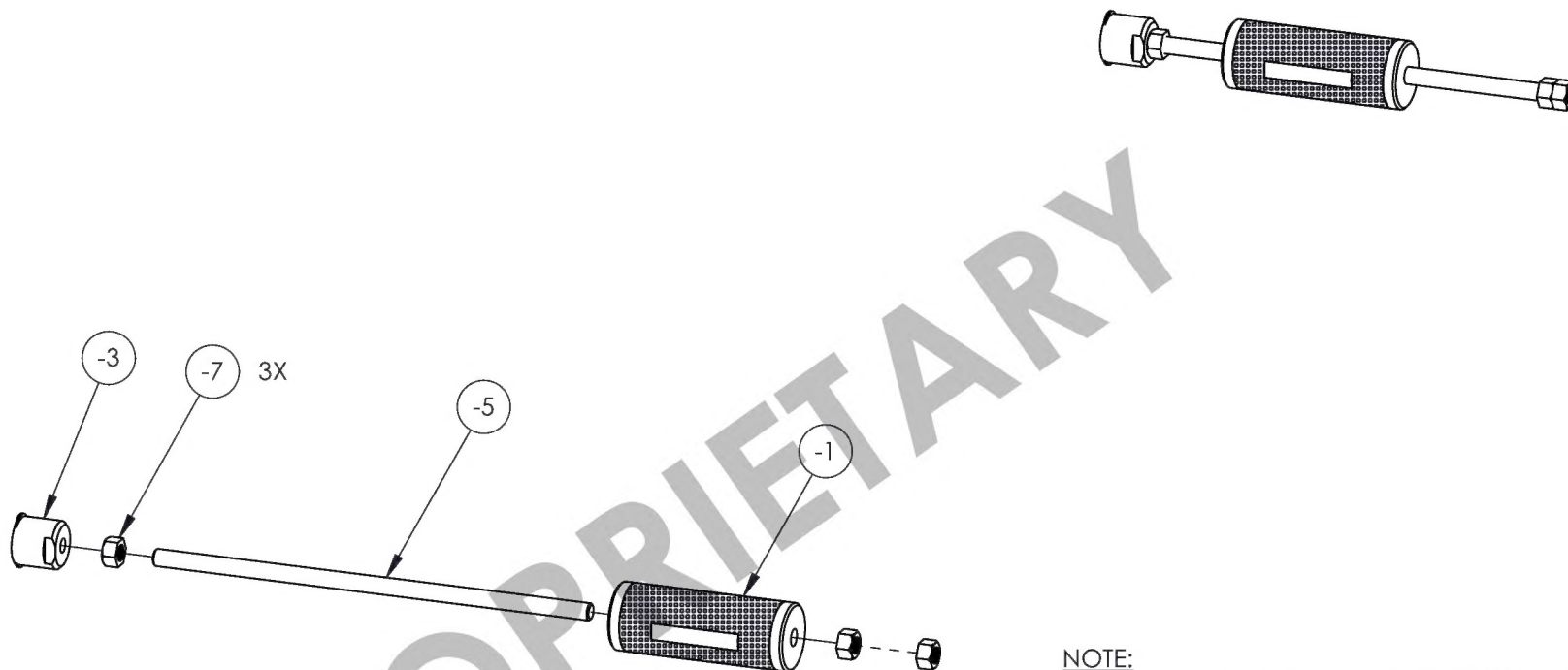


(3)

CAP

DART AEROSPACE																				
TITLE PULLER																				
DWG NO. RB PWC30046-52AA-3	REV 2																			
<table border="1"> <tr> <td>MAT'L 4140/4142</td> <td rowspan="4"> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 </td> </tr> <tr> <td>HEAT TREAT RC 28-34</td> </tr> <tr> <td>FINISH BLACK OXIDE</td> </tr> <tr> <td>SPEC QMSI-6.2.2, B.O. REV D</td> </tr> <tr> <td>DRAWN BY: GILBERT</td> <td>USED ON MODEL</td> </tr> <tr> <td>CHECKED: RJC 03/27/2017</td> <td></td> </tr> <tr> <td>OPPS APPR: AA 03/28/2017</td> <td></td> </tr> <tr> <td>QA APPR: JL 04/05/2017</td> <td></td> </tr> <tr> <td>APPROVED: JAG 04/11/2017</td> <td></td> </tr> <tr> <td>SCALE 1:1</td> <td>DATE 5/25/2012</td> </tr> <tr> <td colspan="2" style="text-align: right;">SHEET 3 OF 4</td> </tr> </table>		MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	HEAT TREAT RC 28-34	FINISH BLACK OXIDE	SPEC QMSI-6.2.2, B.O. REV D	DRAWN BY: GILBERT	USED ON MODEL	CHECKED: RJC 03/27/2017		OPPS APPR: AA 03/28/2017		QA APPR: JL 04/05/2017		APPROVED: JAG 04/11/2017		SCALE 1:1	DATE 5/25/2012	SHEET 3 OF 4	
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																			
HEAT TREAT RC 28-34																				
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SPEC QMSI-6.2.2, B.O. REV D																				
DRAWN BY: GILBERT	USED ON MODEL																			
CHECKED: RJC 03/27/2017																				
OPPS APPR: AA 03/28/2017																				
QA APPR: JL 04/05/2017																				
APPROVED: JAG 04/11/2017																				
SCALE 1:1	DATE 5/25/2012																			
SHEET 3 OF 4																				

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NOTE:
REF. PRATT & WHITNEY T/N: PWC30046-52AA.

Part #	UNIT QTY	Description
-1	1	SLIDE
-3	1	CAP
-5	1	SPACING STUD
-7	3	NUT

DART
AEROSPACE
190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE PULLER			
DWG NO. RB PWC30046-52AA	REV 2	CUSTOMER 1 OF 1	
SCALE 1:4	DATE 6/8/2012	SHEET	4 OF 4